



SEQUENCE LISTING

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<120> SYSTEM FOR REPRODUCING AND MODULATING STABILITY AND
TURNOVER OF RNA MOLECULES

<130> 601-1-088N

<140> 09/320,609

<141> 1999-05-26

<150> US 60/086,675

<151> 1998-05-26

<160> 12

<170> PatentIn Ver. 2.0

<210> 1

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: By hybridizing
this synthetic oligonucleotide and its appropriate
complement, template for ARE-A0 RNA were
generated.

<400> 1

atttaggtga cactatagaa tacacattat ttattattta tttattattt atttattta 59

<210> 2

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: By hybridizing
this synthetic oligonucleotide and its appropriate
complement, templates for MT-ARE-A0 RNA were
generated.

<400> 2

atttaggtga cactatagaa tacacgttag tattcatttg ttactattg atttcttta 59

<210> 3
<211> 68
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: By hybridizing this synthetic oligonucleotide and its appropriate complement , templates for Fos-A0 RNA were generated.

<400> 3
atttaggtga cactatagaa tacacaaatt ttattgtgtt ttttaatttat ttattaagat 60
ggattctc 68

<210> 4
<211> 33
<212> DNA
<213> Artificial Sequence

<220>

<223> Description for artificial sequence: Templates for SVARE-A0 RNA were generated by inserting the TNF-alpha ARE containing this oligonucleotide and its appropriate complement between the PstI and Hind

<400> 4
attattttatt atttatttat tatttattat tta 33

<210> 5
<211> 70
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: By hybridizing this synthetic oligonucleotide and its appropriate complement , templates for CX-A0 RNA were generated.

<400> 5
atttaggtga cactatagaa tacaccccaa cgggccctcc ctcccctcct tgcaccatca 60
tcgcattcacg 70

<210> 6
<211> 34
<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic RNAs used in competition studies. ARE.

<400> 6

auuuuuuuuu auuuuuuuuu uuuuuuuuuu uuuu

34

<210> 7

<211> 13

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic RNA used in competition studies contains this sequence. Non-specific competitor.

<400> 7

gucacguguc acc

13

<210> 8

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: This synthetic oligonucleotide and its appropriate complement were generated, hybridized, and ligated to Hind III cut DNA templates.

<400> 8

agctatattg aggtgctcga ggt

23

<210> 9

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SP6 promoter primer.

<400> 9

catacgattt aggtgacact atag

24

<210> 10
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: A specific 3'
end primer for ligated oligonucleotide.

<400> 10
acctcgagca cctc

14

<210> 11
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Antisense
oligonucleotide.

<400> 11
agttaaataa at

12

<210> 12
<211> 5
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This sequence
often repeats in AREs (A-U rich sequence) found in
the 3' untranslated region of many short-lived
mRNAs.

<400> 12
auuua

5